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Municipality/Organization: TOWN OF BEDFORD

EPA NPDES Permit Number: MA 041028

MaDEP Transmittal Number: W-041280

**Annual Report Number
& Reporting Period:** No. 2: March 04-March 05

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Adrienne St. John **Title:** Public Works Engineer

Telephone #: 781-275-7605 **Email:** adrienne@town.bedford.ma.us

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ment

and has completed the required self-assessment and has determined that our municipality is in compliance with all applicable regulations, except the following provisions:

The Town of Bedford has researched the most recent Endangered and Threatened Species list and found 20 species to be present in the Town. The effects of the Town's discharges has not been determined at this time.

The Town is planning to perform water quality testing to identify sources and the extent of bacteria at sites along the Shawsheen River.

Bedford, Massachusetts

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Bedford, Massachusetts

Minimum Control Measures

nd Outreach

	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
n	DPW/SuAsCo	Teach in 5 th grade class	Curriculum has been developed. Seeking a class to teach.	Teach the class.
	DPW	Have in place by 7/05	Web site is currently under development, and will include general info to public, designated contacts, homeowner tips, etc.	Have in place by 7/05.

nt and Participation

n	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
lay	DPW	3 months at library, Town Hall, schools	Has been at library, DPW, & Town Hall. Currently at Hartwell Forest.	Place in schools.
r	DPW	Form by 12/04	Existing Drainage Committee expands focus to include stormwater quality.	Expand membership.
ings	DPW/SW Committee	Meet 3x/year	N/A	Convene three times.

			2. Review and update the plan.	
			3. Review and update the plan.	

etection and Elimination

	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
	DPW	In place by 7/04	Equipment purchased	N/A
6”	DPW, MRWC	75% capture rate	Continue (32 outlets mapped)	Continue

Stormwater Runoff Control

Item	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
Address issues	DPW, Con Com, Code	Write guidelines, distribute to all builders with a permit	N/A	Develop guidelines
	Code, Con Com, DPW	Reduce litter, erosion, dust, sediment	DPW requires weekly trench paving of disturbed areas of utility/road projects. Notified Route 3 of erosion, sediment and trash issues along highway in Bedford.	Continue to monitor construction projects.

Permit Year 3
Address issues

Stormwater Management in New Development and Redevelopment

	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
er by-	Selectmen, Planning, Cons., DPW	In place by 12/05	DPW staff attended two trainings including information on stormwater by-laws	Develop By-law
n	Planning, DPW, Con Com	No increase in flooding levels or locations	DPW advocates for infiltration on all proposed developments. 12 homes equipped with infiltration. DPW recommended compact vehicle parking at 4 large-scale developments to reduce paved areas and increase infiltration.	Continue

on and Good Housekeeping in Municipal Operations

	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
EB	DPW	2 x per year in critical areas	Continued program. Swept all 80 miles of roadways.	Continue.
r	DPW, MWRA	TV 1 mile per year	Approximately 3,000 LF inspected.	Inspect 60,000 LF.
ative icides	Con. Com, DPW	Reduce nitrogen loading	Using fertilizer on as-needed basis only.	Continue
imp	DPW, Con Com.	Locate by 12/05	Site is located on Springs Road near the VA Hospital.	

f Information Collected and Analyzed

Inputs & Accomplishments (OPTIONAL)

ent position created/staffed	(y/n)	Y
et/expenditures	(\$)	\$10,000

ent, and Training

esidents reached by education program(s)	(# or %)	15%
ent committee established	(y/n)	Yes
ied or supported	(# or y/n)	Supported
icipation or quantity of shoreline miles cleaned	(y/n or mi.)	700 FT
Waste Collection Days		
	(#)	8
icipation	(%)	10
ted	(tons or gal)	400
mented	(y/n)	No

1 starts (>1-acre)	(#)	4
f construction starts adequately regulated for erosion and sediment control	(%)	100
sted	(# or %)	30
rs issued	(# or %)	1
	(# and \$)	0
ceived from public	(#)	1

rmwater Management

f development/redevelopment projects adequately regulated for post-r control	(%)	90
ted	(# or %)	15
ormwater recharged	(gpy)	600,000

enance

atch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1
atch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	2
res cleaned	(#)	1600
	(LF or mi.)	1500 lf
is removed from storm sewer infrastructure	(lbs. or tons)	35 tons
pings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Compost
osal	(\$)	\$15,000

reet sweeping (non-commercial/non-arterial streets)	(times/yr)	1
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	In Place Prior to Phase II	Under Review	Drafted	Adopted
. Status (indicate with “X”)				
Detection & Elimination				
ment Control	X			
ent Stormwater Management				
ion Status (indicate with “X”)				
Detection & Elimination				
ment Control				
ent Stormwater Management				

ischarges

ete	(%)	35
nber of outfalls	(#)	200
complete	(%)	50
	(%)	50
	(%)	10
	(%)	40
ned	(# or %)	35
ied	(#)	0
ved	(#) (est. gpd)	1.25 MGD 6 times per yr
er	(%)	91
ic systems	(%)	9

street sweeping (commercial/arterial or other critical streets)	(times/yr)	2
lected by sweeping	(lbs. or tons)	500 tons
(landfill, POTW, compost, beneficial use, etc.)	(location)	Compost
osal	(\$)	\$28,000
s purchased/leased	(#)	0
s specified in contracts	(y/n)	0

n on public land of: (“N/A” = never used; “100%” = elimination)		
	(lbs. or %)	25%
	(lbs. or %)	N/A
	(lbs. or %)	25%

s and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	
utilized	(y/n)	Y
rs used	(y/n)	Y
city spreaders used	(y/n)	Y
in typical year salt application	(lbs. or %)	0
torage shed(s)	(y/n)	Y
n or under construction	(y/n)	N